CLAIMS

1) An electronic gas-lighting device integrated with a terminal board, the device comprising a casing made of insulating material; electronic high-voltage-pulse generating means including at least one transformer having a secondary winding, the ends of which are connected to respective high-voltage terminals; and assembly means for removably fitting said casing to a supporting surface of a conducting metal body element of an electric household appliance, in particular a cooking range with gas burners; characterized in that said casing is fitted directly with respective supply contacts located on a specially shaped portion of the casing to form a supply terminal board, which is connected exclusively and solely to said electronic high-voltage-pulse generating means, and to which are connectable the wires of a supply cable.

2) An integrated device as claimed in Claim 1, characterized in that said casing is made of molded synthetic plastic material, and comprises a cup-shaped body, a cavity of which houses said at least one transformer; and a box portion, which is formed integrally with the cup-shaped body, houses at least part of said electronic high-voltage-pulse generating means, and is fitted directly with said respective supply contacts which are arranged on the box portion to

form, together with the box portion, said terminal board; said respective supply contacts being defined by Faston blade contacts clicked onto an inner first face of said box portion of the casing, and each having a respective screw terminal.

3) An integrated device as claimed in Claim 2, characterized in that said assembly means comprise two teeth, at least one of which is elastically deformable, and which click onto at least one opening in said conducting metal body element of the appliance; said teeth being formed integrally with said casing, and projecting perpendicularly from an outer second face, opposite the first face, of said box portion of the casing; one of said respective supply contacts being a ground contact, and comprising an integral tongue projecting outwards of the box portion of the casing, on the same side as said teeth; said tongue being located parallel to and facing said second face, and at such a distance from the second face as to contact said conducting metal body element of the appliance when said teeth engage said at least one opening; said tongue having at least one respective fastening hole for fitment to said conducting metal body element of the appliance.

4) An integrated device as claimed in Claim 3, characterized in that, on said second face side, said box portion of the casing comprises an integral

connector for connecting the high-voltage-pulse generating means to respective control means of the appliance.

5) An integrated device as claimed in Claim 4, characterized in that said cup-shaped body comprises an access opening to said cavity; and a bottom wall opposite and facing said access opening and comprising a number of through ducts, each housing one of said high-voltage terminals; said bottom wall and said access opening lying in planes perpendicular to the plane of said first and second face of the box portion.'

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